PIONEER

Pioneer Energy Services

Microresistivity Log

API No. 15-051-26,738-00-00

Company TDI

Well George No. 2

Field Unnamed

County Ellis State Kansas

Location 1500' FNL & 330' FWL

Sec: 18 Twp: 12s Rge: 18w

Other Services
CNL/CDL
DIL

Elevation
K.B. 2185
D.F.
G.L. 2175

Permanent Datum	Ground Level	Elevation 2175	
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum	
Drilling Measured From	Kelly Bushing		
Date	10/22/2014		
Run Number	Two		
Depth Driller	3900		
Depth Logger	3901		
Bottom Logged Interval	3900		
Top Log Interval	2550		
Casing Driller	8.625 @ 221		
Casing Logger	219		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	2600		
Density / Viscosity	9.4 | 57		
pH / Fluid Loss	10.0 | 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	.75 @ 68		
Rmf @ Meas. Temp	.56 @ 68		
Rmc @ Meas. Temp	1.01 @ 68		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.44 @ 115		
Operating Rig Time	4 Hours		
Max. Rec. Temp. F	115		
Equipment Number	108		
Location	Hays		
Recorded By	D. Fischer	J. Long	
Witnessed By	Tom Denning	Herb Dienes	

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

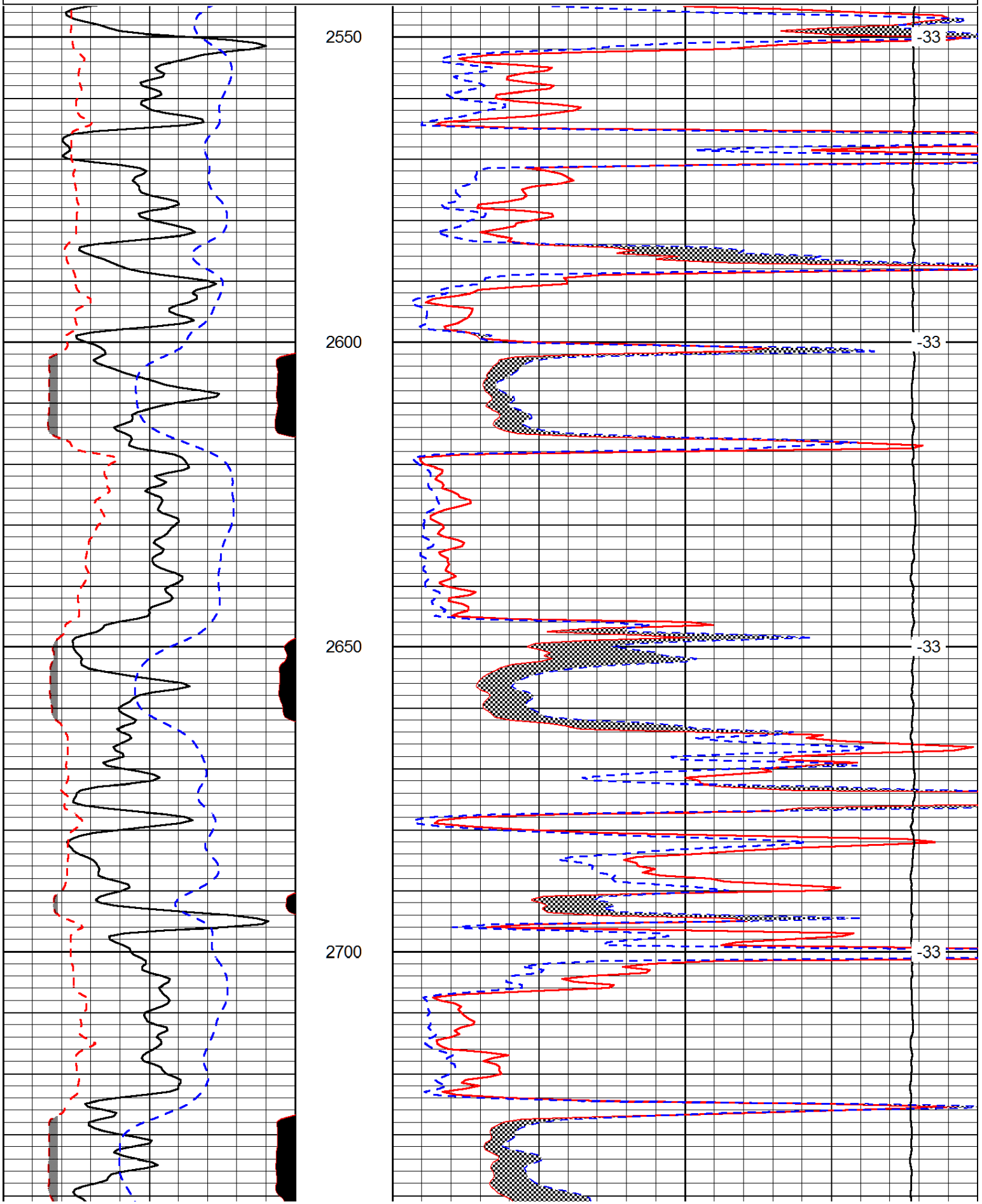
Hays Ks., North to Buckeye, 3 1/4 West, 1/4 North, East Into.

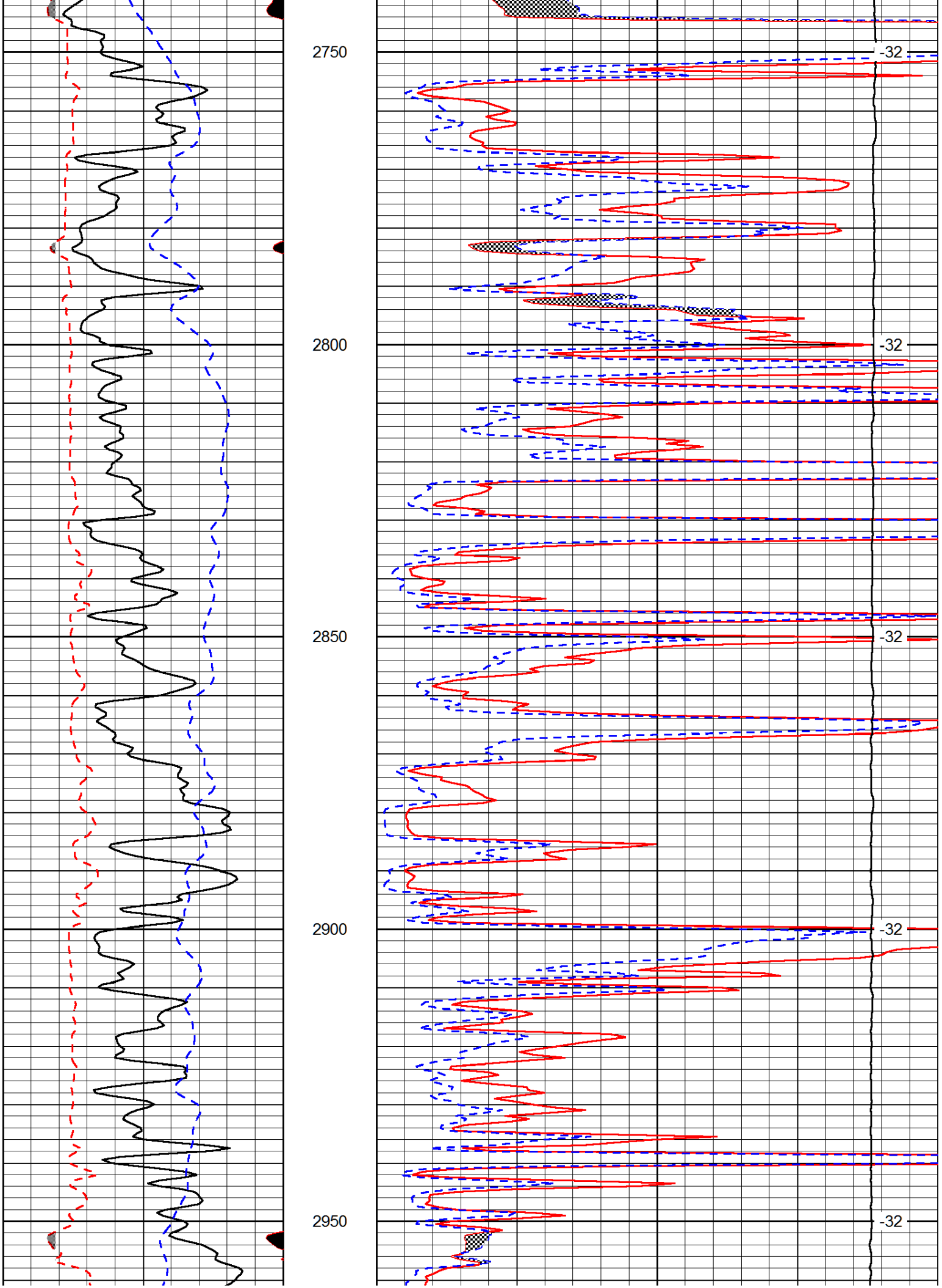
Database File:	tdi_george_2hd.db
Dataset Pathname:	DIL/tdistck
Presentation Format:	micro
Dataset Creation:	Wed Oct 22 13:51:19 2014
Charted by:	Depth in Feet scaled 1:240

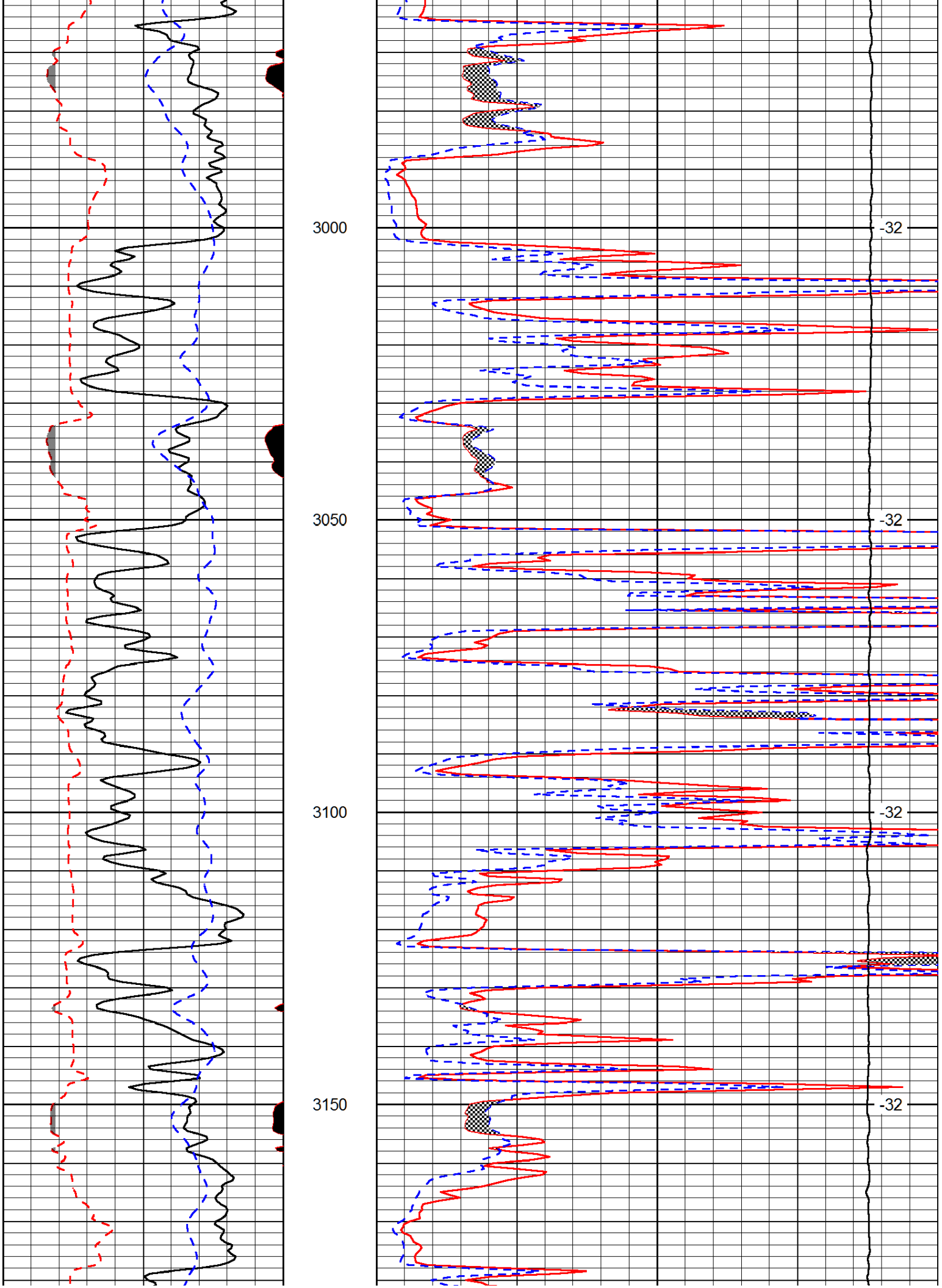
0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

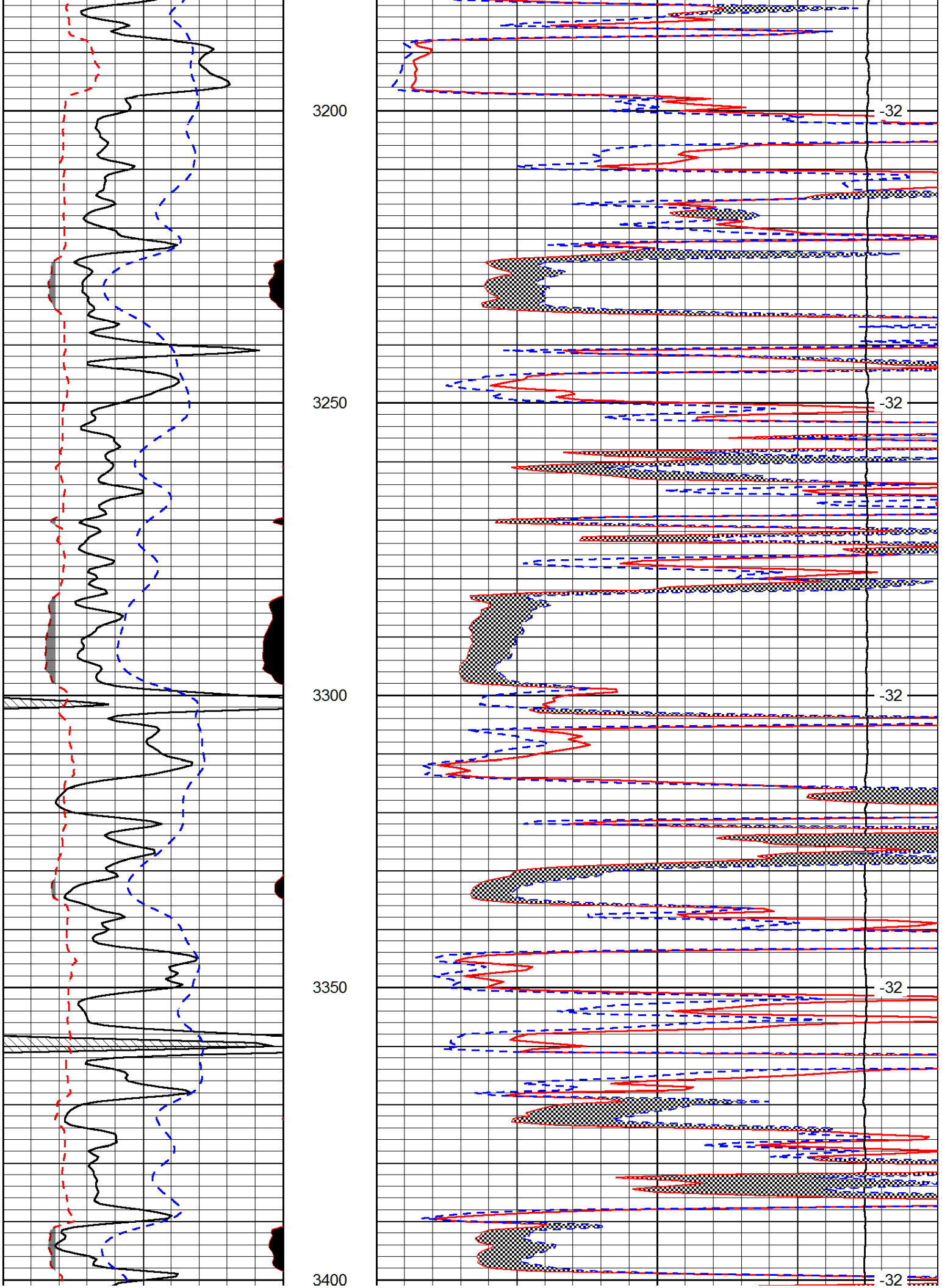
0	Micro Inverese 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0

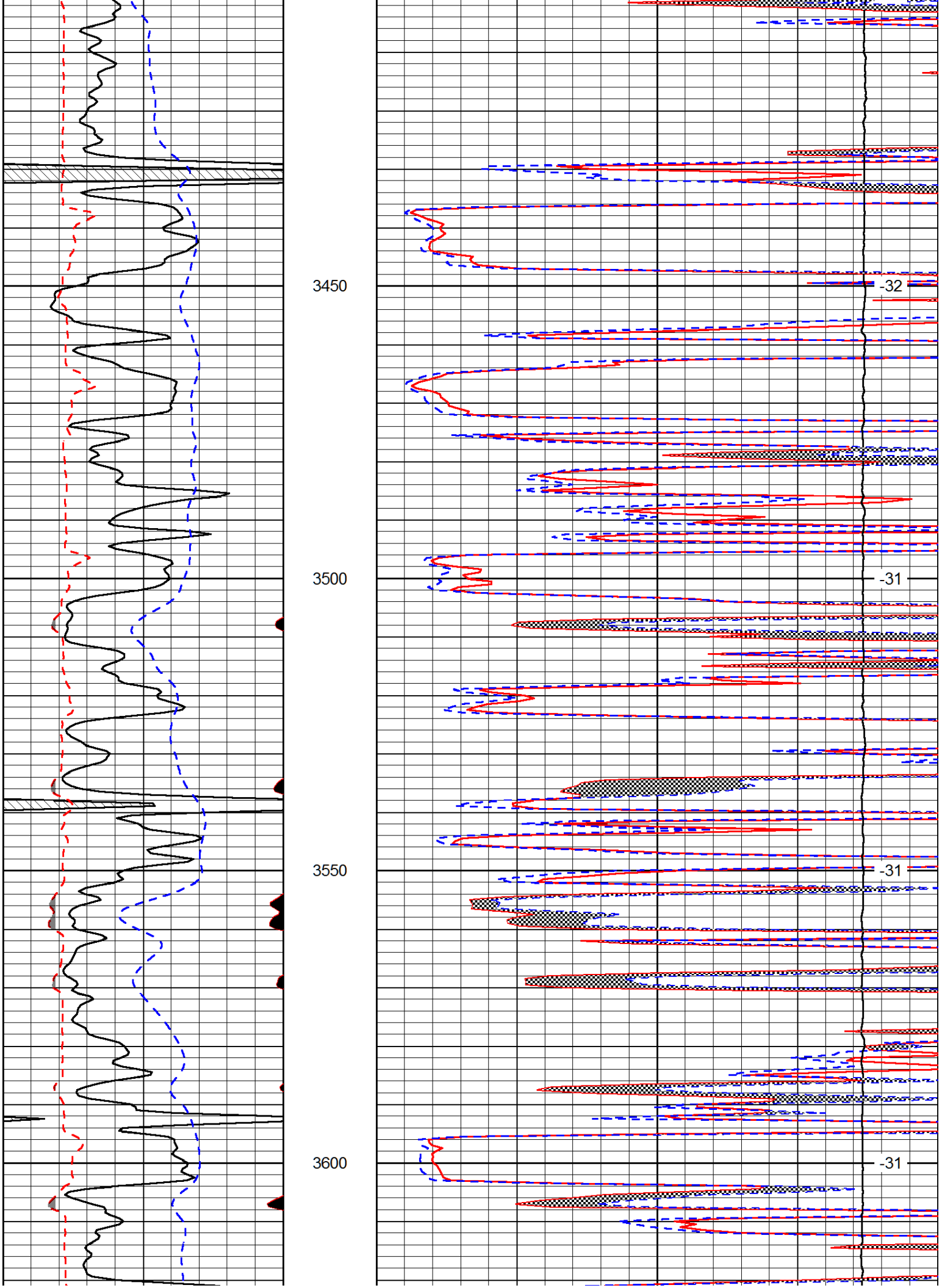
LSPD

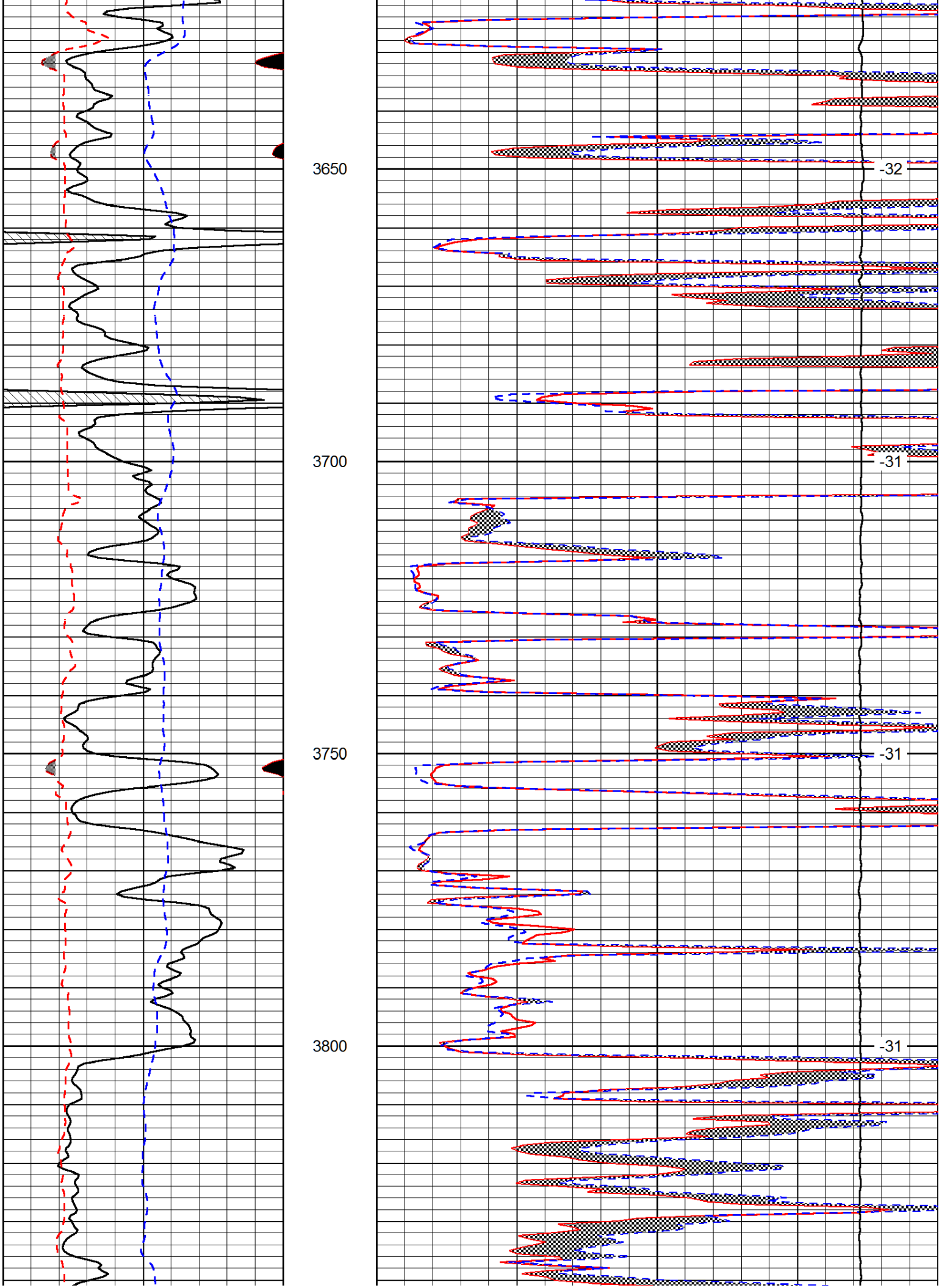


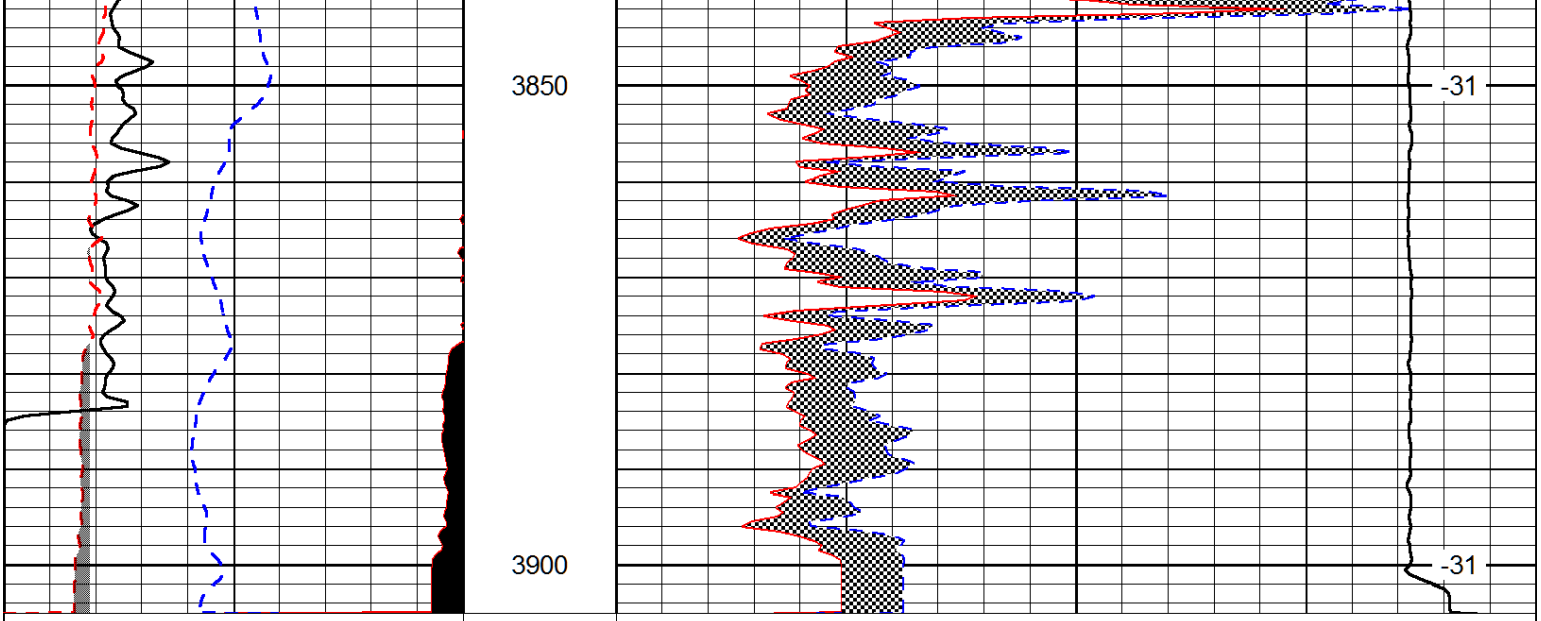

2750
2800
2850
2900
2950
-32
-32
-32
-32


3000
3050
3100
3150
-32
-32
-32
-32


3200
3250
3300
3350
3400
-32
-32
-32
-32
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3450
3500
3550
3600
-32
-31
-31
-31


3650
3700
3750
3800
-32
-31
-31
-31



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